

Endocrine midblock 2

SAQ

1. 2 hormones secreted by adrenal cortex

Cortisol and aldosterone

2. 2 options in ttt myxedema coma

Hospitalization in intensive care unit (ICU).

All medications must be given intravenously.

Intravenous fluids should be given with caution

L-thyroxine Intravenous .T3 can be used.

Hydrocortisone

Treatment of associated diseases e.g. infection or heart failure.

3. 2 requirements for activation of vitamin D

first in the liver (at position 25) by 25 hydroxylase

then in the kidney at positions 1 by 1 α hydroxylase 2

4. effects of insulin on carbs inside the liver

1- Increased phosphorylation of glucose

2- Increased glycolysis of glucose

3- Increased glycogen synthesis glucose

4- Increased activity of pentose phosphate

5- Decreased gluconeogenesis

5. 4 tumors metastasize to adrenal gland

Lung, stomach, esophagus, liver, bile ducts, pancreas, large intestine, kidney, breast

MCO

1. Adrenal medulla origin : **ectoderm**
2. In starvation , level of ----- increase in urine : **ketone bodies**
3. Case: child come in bone deformities (rickets signs) and has renal disease or renal dysfunction what the ttt will be . : **calcitriol 1'25DHCC**
4. Case: weight gain(cushing's signs) what may complicating: **pathological fractures (osteoporosis)**
5. Increase membrane effect by presence of insulin : **adipose tissue (GLUT-4)**
6. Insulin levels can be evaluated by high level of : **c-peptide**
7. Confirmation of rickets we : **high Alkaline phosphate**
8. RBC in prolonged fasting depends on : **glucose**
9. Insulin inhibit which enzyme : **hormone sensitive lipase**
10. +ve suppression test indicate: **depression**
11. Most common cause for Cushing's :**pituitary adenoma**
12. Increase secretion of aldosterone by : **Ag II**
13. In Conn's : **hypokalemia**
14. Adrenal crisis happen due to low levels of : **cortisol**
15. Nephrocalcinosis in : **hypercalcemia**
16. Most common cause of hypercalcemia: **malignancy**
17. Hirsutism: **adrenogenital syndrome,**
18. In pregnancy drug of choice : **propylthiouracil**
19. Drug antagonize aldosterone(mineralocorticoids) receptor: **spironolactone**
20. Drug interact with steroids: **insulin**
21. ttt of thyroid storm :**hydrocortisone**
22. Pheochromocytoma : **zellballen appearance**
23. Psammoma bodies : **papillary carcinoma**
24. Acini in grave's : **hyperplastic**
25. Neuroblastoma metastasize to : **posterior mediastinum**
26. Complication of Hashimoto thyroiditis: **lymphoma**
27. Associated with transient hyperthyroidism: **Subacute granulomatous thyroiditis**
28. Hirsutism > **virilism**